"BLACK" JACK TURNED ON TUNGSTEN ORES

(Continued from page 1)

enced mining engineer, and W. W. Elliott, who has superintended the installation of more than 100 mills in drawn to the Tip Top, They soon realized its tungsten possibilities. On the dumps they found 20,000 tons of ore which, at the present prices of tungsten and silver, i sworth nearly \$25 a ton. The stopes are filled with an equal tonnage of ore-it was waste when it was thrown in-that runs just a little higher. Above the 200-foot level the miners left in place, because it was low in silver and high in tungsten, 1000 tons worth above \$70.

The shaft is down 830 feet but is filled with water to the 200-foot level. At that point it is tapped by a tunnel 1100 feet long. Between the shaft and tunnel mouth is the mine's principal ore shoot, which is 600 feet long and more than two feet wide. This shoot has been stoped all the way to the surface, with the exception of several great blocks that would not pay for mining under conditions then prevail-

While Muter and Elliott were draw- has had anything to do with the ing the "waste" out of this stope and property is exploring it as best they could, Napo- work will boss at the Tip Top in Hagen & Tevis Yavapai company, happened along. He and from 200 to 100 form that It there that It there is a second to the contact vein, expected to be reachtold them that if they would draw the stope in a certain place they would find a big block of rich ore. They did so, and the ore was there. Other in that Waldemeyer gave

any of which carried less than five pounds of tungsten to the ton, and marketed nearly \$2500 worth of concentrales. Much of the machinery of At the present time the Extension

the ore in sight.

The company's plan of operation is what ore is available before deciding will, undoubtedly be followed to what kind of a mill to install. It is possible that enough high grade ore

mine does not make much water.

and a half down Cottonwood canyon from the mine. A ditch was dug by the St. Louis-Yaapai company to convey sixty inches of water from Boul- Rainbow shaft in such a case. der creek to Cottonwood canyon. made constant.

Tip Top appears to be the center of found in all directions, within a radi-

that he knew where there was plenty more like it. The Indian proved his statement. He took W. J. Martin, proprietor of Canyon station, to a point about two miles east of Tip Top, where there was a big granite blowout In the granite lay the typestern Mar. of twenty percent ore. On another working, has demonstrated the fact

claim nearby they have a promising that rich silver is in the neighbor-showing of antimony . SUMMER HOLDS NO

Like every old camp, Tip Top has nage, that in the early days a prospector zona, appeared frequently at Tip Top, traded rich silver ore for provisions and whisky, and disappeared. All efforts to follow him to his mine proved fruit-

A few days ago Joe Fuller noticed spot on a hillside, about a mile and the southwest, had their attention a half east of Tip Top, that looked peculiar. He began to dig and soon broke into an old tunnel that exposes

When the Black canyon road, be-tween Prescott and Phoenix, is put in shape, Turkey station, on the Bradsupply point for Tip Top and the eastern part of the tungsten country Steps to repair the road are already being taken by the Yavapai county supervisors. Phoenix is now the near est railroad point that can be reached from Tip Top but there is a good road from Tule creek to Peoria.

pinned on this work. The

work will be started straight south. It is hoped and many indications point to a successful conclusion, that

many years ago by John Pearce and them about the condition of the mine from which he took out ore that ran above the 200 was checked up and as high as \$1 a pound. This shaft is found to be correct. He has told them down 160 feet and the ore indications are wonderful. The company's prospher miners employed at the Tip Top in the days of its former glory, hear driving drifts far into the southern out his statements. Waldemeyer is part of the property, under the flat, how superintendent of the mine. south and east of the hill. Many min-The old mill was put in shape by ing men have declared a fissue vein Muter and Elliott to make test runs, to lie under the flat and to carry They milled 63 tons of samples, not and to carry rich ore. Only development will work will prove these gol den promises, however.

the mill can be utilized in the new redump has about 1,000 tons o fa good fluction plant, which is to be placed at grade of milling ore. Some of the camples are high grade and the horn re-Tib. Top. samples are high grade and the horn Will Carroll W. Davis, of Prescott, silver, can be found in considerable Sinter and Elliott bought out the Wa- amounts. The Commonwealth Min-ger brothers. Since then the Tip Top ing and Milling Company has offered Consolidated Mining company has to handle this ore if it can be taken to the sampler and crusher. On activities of Prescott, is secretary.

The capitalization is only 15375,000, which is regarded as low in view of the made. The officials of the comtant of the company has office the sampler and crusher on activities the second of the crusher being far up on the side of the hill it will be exceedingly difficult for this transportation to be made. The officials of the comto be made. The officials of the company are making every effort to unwater the workings and ascertain transport the ore however, and sucressful conclusion

A solution to the transportation will be found to pay the cost of the problem is seen in the work now being done by the Commonwealth peo-To unwater the workings will cost ple in exploring their south ground about \$5,000. Once they are dry it They are pushing this drift and in will cost little to keep them so, as the time it will be connected with the The property of the Tip Top Consol some hundreds of feet. This will enter the Extension property of the Tip Top Consol some hundreds of feet. workings of their shaft, a matter of nine able the Extension people to transclaims, millsite, power site and water right. The power site is about a mile the Commonwealth drifts, up their shafts and to the mill. Only waste will be handled through the

The matter of sinking the shaft where it will fall perpendicularly 145 another one hundred or so feet is befeet. This is capable of generating ing considered. Development of the 190 horsepower, and the flow of sixty 220 level, for determination purposnches will be available eiggt months es, will be prosecuted first. The shaft of the year. At small cost a storage is now to the water level and more dam can be constructed and the flow sinking would necessitate pumping operations.

The personnnel of the officials and a tungsten region. Tungsten has been directors includes some of the best known men in southern Arizona. The us of three or four miles. Tule creek, property is owned largely in Bisbee, along which hundreds of locations local business people and miners belocal business people and miners belocal business people and miners belocations. away. Large shipments of high grade ing heavily interested. Charles F. Thompson's Tule creek mine. There secretary and Gus Hickey, treasurer. is talk of a custom concentrator being Jno. Metcalf is in charge of the min erected there. Prospectors are in ev. ing operations. Metcalf worked in the ery draw, on every hill, searching old Commonwealth and has had much eagerly for the black streaks and experience as mine foreman in Mexsplotches that betray the presence of ican silver properties. The stockhold ers and directors can feel assured An Indian herder named Butler that their mining interests are in ex-chanced to see some tungsten ore in cellent and capable hands when the

In the granite lay the tungsten. Mar. develop a mine. Ore taken from the tin and Butler have shipped 300 sacks 220 level, in a comparatively small

Extension is one o fthe best its traditional lost mine. It is related gambels in the entire state of Ari-

"Chamberlain's Tablets Have Done

Wonders for Me." "I have been a sufferer from stomshaw mountain railroad, will be te's highly." Obtainable everywhere -Ad-ed; therefore, the prediction is war-

IMPROVED MINING IS AID TO CONSERVATISM

(Continued From Page One.) to the so-called Ohio system of mining as improved and developed by Mr. Mc-Donald at Inspiration. Through these ly low-grade material and convert it from uncommercial rock into commercial ore.

In connection with beneficiation it has been necessary to cheapen greatly the unit costs and at the same time it increased largely the metallurgical recovery. The fact that the leaner copper ores mostly occur in enormous ton nages warrants large capital expenditures and the construction of the most economical and highest class of power the face of the drift, which has a total so, and the ore was there. Other in mediately under an old shaft, sunk plants, dressing works and reduction

mains constant, even if, through a cheap mining method, the ore is necessarily mixed with a proportion of overburden that is valueless. In other words, it seems practicable with ate simple food, practiced temperance cheap power and very fine grinding and purity. As a badge they used the and the use of flotation to dress cheap ery of 90 percent or over of the copper as a symbol of health. A red five ly lean copper ore and make a recovtation I mean, of course, that simple bol of health. If you are troubled with and modified methods of gravity con- indigestion, biliousness or constipawith it, if the sulphide mineral be ve- from your druggist. You will be surry finely disseminated and the ratio of prised at the quick relief which they concentration is high; while the grav- afford. Obtainable everywhere. -Adity methods somewhat simplified re-vertisement. main the major process, and flotation simply supplements it where there is some coarse sulphide and the ratio of

ores there has been notable improvement in the increased size of the furnaces; the use of fuel oil or powdered coal in reverberatory furnaces; the introduction of static-electric methods for avoiding dust losses; the introduction of basic lining in copper convertmade in smelting and refining process ter of ore. The buyers state that exes in no way compares in importance tensive development work is to start to the advance made in mining lean early this month, and that a reduction

to smelting. oxidized copper ores by leaching, and Eureka district.
electrical precipitation of the copper

ly 1 percent, sulphide copper ore hav-ing a high ratio of concentration can 'n general are attracting the notice profit, and that the same statement considerable amount will probably apply in the near future to oxidized copper ore in the form of carbonate and silicates; and just as such ore was uncommercial and worth

next decade. called waste products such as slags, East able. They should therefore be stored and will be in operation within 36 dant production and held for future use.

From the view point of conservation erves through decreased unit costs and improvements in process and con-sequent higher recoveries presupposes the accurate collection and tabulation into useful form of an immense a

and operation. The great improvements made and those still to be attained can only fact we should not recognize any such disturbance to the vital organs caused thing as an "unaccountable loss," We by their violent action. should only recognize that owing to

for which we have not accounted. mining organizations the principles I have outlined are recognized, but I think in the Pan American congress, where countries are involved whose mining industry is in its infancy, at-tention should be brought to these principles of conservation, for we all know that in the early history of mining in this country the loss to the

TAKE SALTS TO FEARS FOR OATMAN

(Continued From Page One.) are alone receiving attention from ach trouble for a number of years, and vestigation by them is resulting in a mining operators and capitalists. In although I have used a great number healthy growth in the interest in the of remedies recommended for this cedar Valley. Maynard, Peacock, complaint, Chamberlain's Tablets is Weaver, Gold Basin and, in fact, all the first medicine that has given me of the districts of the county. In each positive and lasting relief," writes and all of them there is greater activi-Mrs. Anna Kadin, Spencerport, N. Y. ty than there has been at any time in "Chamberlain's Tablets have done the previous history of the Southwest wonders for me and I value them very and splendid results are being obtain ranted that Mohave County, as whole, is entering an era of mining

The multiplicity of mining companies throughout the county precludes the giving of many details ofdevelopments in limited newspaper space. In the Oatman field the now famous United Eastern mine continues the "big" center of interest, in consequence of the steady improvement in the physical condition of the property. There seems to be no limits to its storehouse efforts the unit cost of mining has been tremendously decreased and we have been enabled to mine exceeding. The efforts of the management are The efforts of the management are being largely confined to that level and the results being obtained show a marked improvement in the value of the ore being disclosed. For some disorders disappear. This famous time past the north drift being ex- salts is made from the acid of grapes tended in the ore body all of which and lemon juice, combined with lithia, constitutes an immense deposit of highly proltable commercial material has been yielding high grade values for a greater area than found on the and stop bladder irritation. Jad Saits upper levels. For more than 100 feet is inexpensive; harmless and makes length of approximately 250 feet, has mendously important bearing on the increased recovery of copper from sulphide ores, and it would not be increased recovery of copper from sulphide ores, and it would not be increased recovery of copper from sulphide ores, and it would not be increased recovery of copper from sulphide ores, and it would not be increased to be increased as a supplied or such as a supplied o been yielding assays averaging better phide ores, and it would appear that within reasonable limits the percent-age of recovery from the sulphide re-ing steadily ahead. grading of the site for a mill, are go-ing steadily ahead.

A Symbol of Health. The Pyhagorians of Ancient Greece five pointed star which they regarded cent of copper. In using the term flo. fulfills its ancient mission as a symcentration are used in conjunction tion, get a package of these tablets

With reference to the reduction of the copper concentrates and copper ores there has been notable by

(Continued From Page One.) ores and dressing them preparatory plant will be established at the mine.

with a partial regeneration of the acid consumed, and while commercial have entered the Eureka District with pure blood and all sorts of aliments, have entered the Eureka District with pure blood and all sorts of aliments. the object of mining tungsten. They tation in saying that 11-4, and possiblof this section. They state also that be developed and mined by under of Colorado mining men, and are of

Five Car Shipment. less 10 years ago, so I believe similar from the property of the Major minores containing but 0.6 or 0.7 percent ing company at Walker, went for copper will become commercial in the ward a few days ago to the Humbolt Smeller. The consignment represent My theme, therefore, is that in the ed a short run at the Poland mill conservation of our resources we made for the purpose of testing valtigation and study of mining and met- adopted for the reduction of the Maallurgical processes play a tremention eres, and those of the Euraka to vening country dously important part, for if we can persual. It has been decided to in-

Eat less meat if you feet backachy or Bladder troubles you-Salts is fine for Kidneys.

Meat forms uric acid which excites and overowrks the kidneys in their efforts to filter it from the system Regular eaters of meat must flush the kidneys occasionally. You must re lieve them like you relieve your bowels; removing all the acids, waste and poison, else you feel a dull misery in the kidney region, sharp pains in activity and prosperity of an enduring the back or sick headache, dizziness, your stomach sours, tongue is coated and when the weather is bad you have rheumatic twinges. The urine is cloudy, full of sediment; the channels often get irritated, obliging you to get up two or three times during the night.

To neutralize these irritating acids and flush off the body's urinous waste get about four ounces of Jad Salts from any pharmacy; take a tablespoonful in a glass of water before breakfast for a few days and your kidneys will then act fine and bladder disorders disappear. This famous and has been used for generations to clean and stimulate sluggish kidneys and stop bladder irritation. Jad Salts a delightful effervescent lithia-water drink which millions of men and wom en take no wand then, thus avoiding serious kidney and bladder diseases (Advertisement.

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Millions of folks bathe internally now instead of loading their system with drugs. "What's an inside bath?" you say. Well, i tis guaranteed to perform miracles if you could believe these hot water enthusiasts.

There are vast numbers of men and women who, immediately upon arising in the morning, drink a glass of real hot water with a teaspoonful of limestone phosphate in it. This is a very excellent health measure. It is intended to flush the stomach, liver, kident of tungsten. The group is located neys and the thirty feet of intestines ing; and improvements in refining. I in proximity to that of Wood and of the previous day's waste, sour bile should say, however, that the advance partners, and shows the same charactand indigestible material left over in the body which, if not eliminated every day, become food for the millions of bacteria which infest the bowels. The plant will consist of a crusher, the quick result is poisons and toxins Anolitre subject that we are all in rolls and jig, the recognized process which are then absorbed into the blood terested in is the treatment of lean for treating the tungsten ores of the causing headache, billious attacks, foul breath, bad taste, colds, stomach tron-Harvey Boone, George S. Mills and ble, kidney misery, sleeplessness, im-

the profitable recovery of copper from lean carbonate and silicate ores hither areas of Yavapai county is becoming not get feeling right are urged to obto valueless is exceedingly promising, known throughout Colyorado, and thin a quarter pound of limestone phos At the present time, under most ad- that other outfits from there are pre- phate at the drug store. This will vantageous conditions, I have no hest- paring to enter the tungsten fields cost very little but is sufficient to cost very little but is sufficient to make anyone a real crank on the sub-

Just as soap and hot water act or ore have been made from George Hicks is president, P. H. Fitzpatrick, ground methods and beneficiated at a the opinion that Colorado capital in the skin, cleansing, sweetening and will in due freshening, so limestone phosphate course be invested in the mines here. and hot water act on the stomach, liver, kidneys and bowels. It is vastly Five cars, loaded with concentrates more important to bathe on the inside than on the outside, because the skin pores do not absorb impurities into the blood, while the bowel pores do. (Advertisement.)

> points is about four miles the intermines which are likewise to be supbring to a point of commercial use leaner and leaner ores, so can we stell a floation plant at the mine, plied with electroprocest with the Big greatly extend, almost indefinitely ex laving a daily capacity of 106 tons medium. The contract with the Big tend the life of our mineral industries daily. Representatives of the comWe should also remember that so bank are en route here from the Minnesota mining men, who are said to be well supplied with funds for a transmission that is being run development purposes. A mill is betailings, ets., containing small quanti- A transmission like is being run development purposes. A mill is better of metals, but now unprofitable, from Walker to the mine and wild ing installed and the mine placed in may in turn become exceedingly profit of the Big Pine Millin gCompany, condition for immediate and abun-

we must recognize that an organized struggle to increase our profitable refor Elderly People mount of detail in both investigation Has Seen Prescribed by Well Known

Physician for Many Years.

The infirmities of age are especially ome with accurate knowledge, not manifest in a tendency to constipation, only of costs, but of grades and re- and call for treatment that will afford coveries. To attain better results we relief in an easy, natural manner. The must have complete knowledge of rapid action of cathartic remedies and what we are doing at the present purgatives that shock the system ime. In almost all metallurgical should be avoided, more especially as statements there is an item called the relief they offer is only temporary "unaccountable less." As a matter of and is usually more than offset by

Nearly thirty years ago Dr. W. B. imperfect methods there is a loss Caldwell, Monticello, Ill., prescribed a It is true that in well-developed that has since become the standard compound of simple laxative herbs household remedy in thousands of homes. It acts easily and gently, yet with positive effect, without griping or other pain or discomfort. Rachel Allen, Galesburg, Kans., is seventy-one years old, and after using Pensin for fifty senis a bottle. It is a bottle of Dr. Caldwell's Syrup Pep, splendid remedy and should be in sir, wrote that it had done her a world every home. A trial bottle, free of

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